

Title (en)
EXHAUST GAS RECIRCULATION CONTROL

Publication
EP 0083852 B1 19870225 (EN)

Application
EP 82306629 A 19821213

Priority
US 33911982 A 19820113

Abstract (en)
[origin: US4399798A] In an internal combustion engine, recirculation of exhaust gases is controlled to maintain the control pressure in a zone of the recirculation passage proportional to a reference pressure and thus to provide exhaust gas recirculation as a proportion of induction air flow. A duty cycle modulated valve controls an exhaust back-pressure port and an atmospheric pressure port to create the reference pressure, whereby the proportion of exhaust gases recirculated is established by the duty cycle and is independent of the induction air flow.

IPC 1-7
F02M 25/06

IPC 8 full level
F02M 25/07 (2006.01)

CPC (source: EP US)
F02M 26/57 (2016.02 - EP US)

Cited by
GB2139284A; EP0717185A1; US5609143A; EP0234511A3

Designated contracting state (EPC)
DE FR GB IT SE

DOCDB simple family (publication)
EP 0083852 A1 19830720; EP 0083852 B1 19870225; AU 556741 B2 19861120; AU 9182882 A 19830721; CA 1185847 A 19850423; DE 3275475 D1 19870402; JP S58122354 A 19830721; US 4399798 A 19830823

DOCDB simple family (application)
EP 82306629 A 19821213; AU 9182882 A 19821223; CA 416983 A 19821203; DE 3275475 T 19821213; JP 293783 A 19830113; US 33911982 A 19820113